

FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

JUL 19 2004

Complete if Known

Application Number	10/791,791
Filing Date	March 4, 2004
First Named Inventor	Yoshihiro Nakao et al.
Examiner Name	
Attorney Docket Number	034100-002

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>h</i>	GJERMANSEN, C., "Construction of a Hybrid Brewing Strain of <i>Saccharomyces Carlsbergensis</i> by Mating of Meiotic Segregants", <i>Carlsberg Res. Commun.</i> , 1981, Vol. 46, pp. 1-11, Copenhagen Valby, Denmark.
<i>h</i>	OLESEN, et al., "The Dynamics of the <i>Saccharomyces carlsbergensis</i> brewing yeast transcriptome during a production-scale lager beer fermentation", <i>FEM Yeast Research</i> , 2000, Vol. 2, pp. 563-573, Elsevier Science, Amsterdam, Holland.
<i>h</i>	BLATTNER, et al., "The Complete Genome Sequence of <i>Escherichia coli</i> K-12", <i>Science</i> , 1977, Vol. 277, pp. 1453-1462, American Association for the Advancement of Science, Washington, D.C.
<i>h</i>	COLE et al., "Deciphering the biology of <i>Mycobacterium tuberculosis</i> from the complete genome sequence", <i>Nature</i> , 1998, Vol. 393, pp. 537-544, Nature Publishing Group, London, England.
<i>h</i>	TAMAI et al., "Co-existence of Two Types of Chromosome in the Bottom Fermenting Yeast, <i>Sacchaomyces cerevisiae</i> ", <i>Yeast</i> , 1998, Vol. 10, pp. 923-933, John Wiley & Sons, Ltd., Chichester, England & New York.
<i>h</i>	KORCH et al., "A mechanism for sulfite production in beer and how to increase sulfite levels by recombinant genetics", <i>Yeast and Fermentation</i> , pp. 201-208, 1991.
<i>h</i>	HANSEN, et al., "Inactivation of MET 10 in brewer's yeast specifically increases SO ₂ formation during beer production", <i>Nature Biotechnology</i> , 1996, Vol. 14, Nature America, New York. pp. 1587-1591
<i>h</i>	SIJEN, et al., "Transcriptional and posttranscriptional gene silencing are mechanistically related", <i>Current Biology</i> , 2001, Vol. 11, pp. 436-440, Current Biology, London, England.
<i>h</i>	GOTO-YAMAMOTO et al., "SSU1-R, a Sulphite Resistance Gene of Wine Yeast, is an Allele of SSU1 with a Different Upstream Sequence", <i>Journal of Fermentation and Bioengineering</i> , 1988, Vol. 86, No. 10, pp. 427-433.
<i>h</i>	AVRAM et al., "SSU 1 Encodes a Plasma Membrane Protein with a Central Role in a Network of Proteins Conferring Sulfite Tolerance in <i>Saccharomyces cerevisiae</i> ", <i>Journal of Bacteriology</i> , 1997, Vol. 179, No. 18, pp. 5971-5974, American Society of Microbiology, Washington, D.C.
<i>h</i>	PARK et al., "SSU1 mediates sulphite efflux in <i>Saccharomyces cerevisiae</i> ", <i>Yeast</i> , 2000, Vol. 16, pp. 881-888, John Wiley & Sons, Chichester, England and New York.
<i>h</i>	MARTINI et al., "Deoxyribonucleic Acid Relatedness among Species of the Genus <i>Saccharomyces</i> Sensus Stricto", <i>International Journal of Systematic Bacteriology</i> , 1985, Vol. 35, No. 4, pp. 508-511.
<i>h</i>	SANGER, F., "Determination of Nucleotide Sequences in DNA", <i>Science</i> , 1981, Vol. 214, pp. 1205-1215, American Association for the Advancement of Science, Washington, D.C.
<i>h</i>	GOLDSTEIN et al., "Three New Dominant Drug Resistance Cassettes for Gene Disruption in <i>Saccharomyces cerevisia</i> ", <i>Yeast</i> , 1999, Vol. 15, pp. 1541-1553, Wiley & Sons, Chichester, England and New York.
<i>h</i>	WATERMAN, M., "Computer Analysis of Nucleic Acid Sequences", <i>Methods in Enzymology</i> , 1988, Vol. 164, pp. 765-793, Academic Press, New York.

Examiner Signature	<i>h</i>	Date Considered	2/16/06
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W	WELLS et al., "Cassette mutagenesis: an efficient method for generation of multiple mutations at defined sites", <i>Gene</i> , 1985, Vol. 34, pp. 315-323, Elsevier, Amsterdam, Holland.
C	CARTER, et al., "Improved oligonucleotide site-directed mutagenesis using M13 vectors", <i>Nucleic Acids Research</i> , 1985, Vol. 13, No. 12, pp. 4431-4443, Oxford University Press, Oxford, England.
K	KUNKEL, T., "Rapid and Efficient site-specific mutagenesis without phenotypic selection", <i>Proc. Natl. Acad. Sci. USA</i> , 1985, Vol. 82, pp. 488-492, National Academy of Sciences, Washington, D.C.
B	BECKER et al., "High-Efficiency Transformation of Yeast by Electroporation", <i>Methods in Enzymology</i> , 1991, Vol. 194, pp. 182-187, Academic Press, Inc., New York.
H	HINNEN et al., "Transformation of yeast", <i>Proc Natl. Acad. Sci. USA</i> , 1978 Vol. 75, No. 4, pp. 1929-1933, National Academy of Sciences, Washington, D.C.
I	ITO, et al., "Transformation of Intact Yeast Cells Treated with Alkali Cations", <i>Journal of Bacteriology</i> , 1983, Vol. 153, No. 1, pp. 163-168, American Society for Microbiology, Washington, D.C.
K	KARIN et al., "Primary structure and transcription of an amplified genetic locus: The CUP1 locus of yeast", <i>Proc. Natl. Acad. Sci. USA</i> , 1984, Vol. 81, pp. 337-341, National Academy of Sciences, Washington, D.C.
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SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

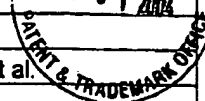
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Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,326,184		Gjermansen et al.	12/04/2001

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

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<i>AK</i>	JOHANNESSEN, et al., "Differential transcriptional regulation of sulfur assimilation gene homologues in the <i>Saccharomyces carlsbergensis</i> yeast species hybrid", FEMS Yeast Research, 2002, pp. 315-322, Vol. 1, No. 4, Elsevier Science B.V., Amsterdam, Holland.
<i>LM</i>	MATSUZAKI, "Saccharomyces bayanus MET14 gene for adenosine-5'-phosphosulfate 3'-phosphotransferase, 2000, Abstract, submitted to the EMBL/GenBank/DDBJ databases.
<i>AK</i>	WINZELER, et al., "Genetic Diversity in Yeast Assessed With Whole-Genome Oligonucleotide Arrays, Genetics" 2003, pp. 79-89, Vol. 163, Bethesda, Maryland.
<i>AK</i>	WODICKA, et al., "Genome-wide edprssion monitoring in <i>Saccharomyces cerevisiae</i> ", Nature Biotechnology, 1997, pp. 1359-1367, Vol. 15, Nature America, New York.
<i>AK</i>	HANSEN, et al., "Modification of biochemical pathways in industrial yeasts", Journal of Biotechnology, 1996, pp. 1-12, Vol. 49, Elsevier Science, Amsterdam, Holland.
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<i>AK</i>	Joubert, et al., "Identification by mass spectrometry of two-dimensional gel electrophoresis-separated proteins extracted from lager brewing yeast", Electrophoresis, Vol. 22, 2001, pp. 2969-2982, Wiley-VCH, Weinheim, Germany.
<i>AK</i>	JOHANNESSEN, "Saccharomyces pastorianus adenosine-5'-phosphosulfate kinase (MET14-CA) gene ", GenBank Database Online, 2002, Database Accession No. AY 017216, XP-002285924.

Examiner Signature <i>[Signature]</i>	Date Considered 2/10/06
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